

### **AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [020] with the following amended paragraph:

[020] In general, embodiments of the invention are concerned with a cathode head that includes one more magnetic elements that enable directional control of an electron ~~beam~~ beam generated by an associated emitter such as a filament. In this way, exemplary embodiments of the invention are able to effectively and reliably control the location of an electron beam focal spot on a target surface of an associated ~~anode~~ anode.